sequence encoding the lysosomal enzyme or modified lysosomal enzyme and a promoter that regulates expression of the nucleotide sequence so that the lysosomal enzyme or modified lysosomal enzyme is expressed by the transgenic plant or plant cell; and

(b) recovering the lysosomal enzyme or modified lysosomal enzyme from the transgenic plant cell or [an] a cell, tissue or organ of the transgenic plant; wherein the transgenic plant or plant cell is transformed or transfected with the recombinant expression construct, and the modified lysosomal enzyme has the amino acid sequence of the lysosomal enzyme with one or several amino acid substitutions, additions and/or deletions, and the organ is a leaf, stem, root, flower, fruit or seed.

2. (amended) The method according to claim 1, in which the promoter is an inducible promoter[, and which method additionally comprises, between steps (a) and (b), the step of inducing the inducible promoter before or after the transgenic plant is harvested].

19. (amended) A plant transformation vector comprising the recombinant expression construct of claim 10 [17].

21. (amended) A plant cell, tissue or organ which has the recombinant expression construct of claim 10 [17].

25. (amended) A transgenic plant or plant cell capable of producing an enzymatically active lysosomal enzyme or modified lysosomal enzyme, which transgenic plant or plant cell has a recombinant expression construct comprising a nucleotide

sequence encoding a lysosomal enzyme or modified lysosomal enzyme and a promoter that regulates expression of the nucleotide sequence in the transgenic plant or plant cell, wherein the transgenic plant or plant cell is transformed or transfected with the recombinant expression construct, and the modified lysosomal enzyme has the amino acid sequence of the lysosomal enzyme with one or more amino acid substitutions, additions and/or deletions.

39. (amended) A lysosomal enzyme or modified lysosomal enzyme which is enzymatically active and is produced according to a process comprising:

(a) growing a transgenic plant or plant cell which transgenic plant or plant cell has a recombinant expression construct comprising a nucleotide sequence encoding the lysosomal enzyme or modified lysosomal enzyme and a promoter that regulates expression of the nucleotide sequence so that the lysosomal enzyme or modified lysosomal enzyme is expressed by the transgenic plant or plant cell; and

(b) recovering the lysosomal enzyme or modified lysosomal enzyme from the transgenic plant cell or [an] a cell, tissue or organ of the transgenic plant;

wherein the transgenic plant or plant cell is transformed or transfected with the recombinant expression construct, and the modified lysosomal enzyme has the amino acid sequence of the lysosomal enzyme with one or more amino acid substitutions, additions and/or deletions, and the organ is a leaf, stem, root, flower, fruit or seed.

40. (amended) The lysosomal enzyme or modified lysosomal enzyme of claim 39, in which the promoter is an inducible promoter[, and which process additionally

comprises, between steps (a) and (b), the step of inducing the inducible promoter before or after the transgenic plant is harvested].

Please add the following new claims:

-- 47. (new) The method according to claim 2, which is carried out in the transgenic plant and additionally comprises, between steps (a) and (b), the step of inducing the inducible promoter before or after the transgenic plant is harvested.

48. (new) The lysosomal enzyme or modified lysosomal enzyme of claim 40, which process is carried out in the transgenic plant and additionally comprises, between steps (a) and (b), the step of inducing the inducible promoter before or after the transgenic plant is harvested.

49. (new) A plant transfection vector comprising the recombinant expression construct of claim 10.

50. (new) A plant transfection vector comprising the recombinant expression construct of claim 16. --

REMARKS

Claims 1, 2, 19, 21, 25, 39 and 40 have been amended and new claims 47-50 added, to more particularly point out and distinctly claim that which Applicants regard as the invention. Specifically, these claims have been amended and new claims added to point out, inter alia, that the recited transgenic plant or plant cell is transformed or transfected with the recombinant gene construct. The specification supports the amended